

PATENT  
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(a) an article comprising a plurality of discrete binding domains on a support, said binding domains having a relative spatial organization with respect to one another and having different binding specificities for a plurality of different analytes of interest in an electrochemiluminescence assay; and

(b) a vessel containing a reagent necessary for conducting said assays.

<sup>115</sup> 160. A kit as recited in claim <sup>111</sup> 159, further including an apparatus for performing said assays.

<sup>117</sup> 161. A kit for use in performance of a plurality of electrochemiluminescence assays for a plurality of analytes of interest comprising:

a vessel containing binding components specific for a plurality of different analytes for use in a plurality of electrochemiluminescence assays, wherein at least two of said binding components have specificity for different analytes and being linked to electrochemiluminescent labels having wavelengths of emission that are substantially identical.

<sup>114</sup> 162. A kit as recited in claim <sup>113</sup> 161, further containing one or more vessels containing non-binding components for a plurality of electrochemiluminescence assays.

<sup>115</sup> 163. A kit as recited in claim <sup>113</sup> 161, further containing an article comprising a plurality of discrete binding domains on a support, said binding domains having a relative spatial organization with respect to one another and having different binding specificities for a plurality of different analytes of interest in an electrochemiluminescence assay.

<sup>116</sup> 164. The kit as recited in claim <sup>111</sup> 159, wherein said plurality of binding domains includes binding domains having different binding specificities to provide for simultaneous binding of a plurality of different analytes of interest present in a sample.